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		Application No.	Applicant(s)				
Office Action Summary		10/628,950	WEI ET AL.				
		Examiner	Art Unit				
		Shaima Q. Aminzay	2618				
Period fo	The MAILING DATE of this communication apport	pears on the cover sheet with the c	orrespondence address				
WHIC - Exter after - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPLICHEVER IS LONGER, FROM THE MAILING Dissions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. or period for reply is specified above, the maximum statutory period or to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timwill apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status	•						
1)⊠	Responsive to communication(s) filed on 22 N	ovember 2006.					
2a) <u></u> ☐	This action is <b>FINAL</b> . 2b)⊠ This	action is non-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims						
4)⊠	Claim(s) 1-41 is/are pending in the application	·					
	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)	Claim(s) is/are allowed.	•					
6)⊠	6) Claim(s) 1-41 is/are rejected.						
7)	Claim(s)· is/are objected to.	*					
8)	Claim(s) are subject to restriction and/o	r election requirement.					
Applicati	on Papers						
	The specification is objected to by the Examine	or					
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority (	ınder 35 U.S.C. § 119		•				
	•		. (4) 07 (6)				
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received.							
Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a))							
* See the attached detailed Office action for a list of the certified copies not received.							
			•				
Attachmen	t(s)						
1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)							
2) Notice	2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
	3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  Paper No(s)/Mail Date  5) Notice of Informal Patent Application (PTO-152)  6) Other:						

# **DETAILED ACTION**

This office action is in response to applicant's amendment/remarks filed November 22, 2006.

### Claim Objections

1. Claims 16-41, and the specification paragraph [10] is objected under 37 CFR 1.75(c) as being improper, the phrase "traffic-to-power (T/P)" should be "--- traffic-to-pilot (T/P) ---", as it is correctly stated "traffic-to-pilot (T/P)" in the specification Abstract, paragraph [9], line 4, [23], line 5, [39], lines 4-5, and claim 1, line 4. For the sake of examining the claims on the merit, Examiner assumes the above corrections. Applicant's correction is required.

## Response to Arguments

- 2. Response to arguments with respect to rejected claims 1-2, 16-17 is moot as the applicant's arguments partially convincing, therefore, the Claim Rejections -35

  U.S.C.102(e) with respect to claims 1-2, and 16-17 withdrawn. Claims 3-15, and 18-29 are dependents of independent claims 1 and 16, therefore, for the same reasons set forth claims 1, and 16, the Claim Rejections -35 U.S.C.103(a) with respect to dependent claims 3-15 and 18-29 withdrawn.
- 3. Response to arguments with respect to amended independent claims 30 and rejected claims 30-41 under Claim Rejections -35 U.S.C.102(b) has been fully considered, but they are not persuasive.

Examiner respectfully disagrees with Applicant's assertion (Remarks pages 17-18) that "wherein the base station is configured to adjust power levels for the first set of reverselink channels and a power level for the pilot channel, and to separately adjust a trafficto-power (T/P) ratio for each of the one or more additional reverse-link channels)" that is in reference to claim 30 limitations "wherein the transceiver subsystem is configured to receive signals on a first set of reverse-link channels, a pilot channel and one or more additional reverse-link channels; and wherein the base station is configured to adjust power levels for the first set of reverse-link channels and a power level for the pilot channel, and to separately adjust a traffic-to-power (T/P) ratio for each of the one or more additional reverse-link channels". Damnjanovic discloses a wireless communication system with the base station configured to control the reveres-link power (see for example, Figures 1-11, and paragraph [44], lines 1-3), the transceiver is configured to receive the first set of reveres-link signals (see for example page 14, left column, lines 3-5), and the pilot channel with one or more additional reverse-link channels (see for example, Figure 3, and paragraph [40], lines 1-18, [72], lines 1-17), the transceivers connected to the controller and to the base station antennas for receiving and transmitting RF signals via separate radio channels without interfering with each other, the base station controls and adjusts the power levels in reverse pilot channel and first channel (control channel), and other reverse channels are adjusted independently (separately) with respect to variable traffic-to-pilot (T/P) ratio (see for example, paragraph [40], lines 1-18, [72], lines 1-17, and the action below).

Application/Control Number: 10/628,950

Art Unit: 2618

Damnjanovic obviate applicant's invention, as discussed in below office action.

# Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 1-41 are rejected under 35 U.S.C. 102(b) as being anticipated by Damnjanovic (Damnjanovic et al., US Publication No. 2003/0050,086).

Regarding claim 1, Damnjanovic discloses a method for controlling power in a wireless communication system having multiple reverse-link communication channels (Figures 1-11, paragraph [3], lines 1-14,[32], lines 1-10, [33], lines 1-2, [40], lines 1-6, [41], lines 1-12, [72], lines 1-17, the power control of a wireless system with plurality of reverse links communication channels), the method comprising: adjusting power levels of a first set of channels and a corresponding pilot channel; (paragraph [15], lines 8-12, [70], lines 5-10, lines 20-22, [80], lines 1-4, [81], lines 1-4, [96], lines 1-7), and adjusting traffic-to-pilot (T/P) ratios for one or more remaining channels

independently of the power level of the pilot channel (paragraph [52], lines 1-4, [70],

lines 5-10, lines 20-22, [80], lines 1-4, [81], lines 1-4, [072], lines 1-17, [96], lines 1-7).

Regarding claim 16, Damnjanovic discloses system for controlling power in a wireless communication system having multiple reverse-link communication channels (Figures 1-11, paragraph [3], lines 1-14,[32], lines 1-10, [33], lines 1-2, [40], lines 1-6, [41], lines 1-12, [72], lines 1-17, the power control of a wireless system with plurality of reverse links communication channels),

comprising: a base station; and a mobile station coupled to the base station via a wireless communication link (Figures 1-4, paragraph [18] through [22], [29], lines 1-9, [32], lines 1-10, [72], lines 1-17);

wherein the base station is configured to receive data from the mobile station on a plurality of reverse-link channels on the wireless communication link (Figures 1-4, paragraph [18] through [22], [29], lines 1-9, [32], lines 1-10, [33], lines 1-2, [40], lines 1-6, [41], lines 1-12, [72], lines 1-17);

and wherein the base station is configured to adjust a power level for a first set of reverse-link channels and a power level for a pilot channel (paragraph [15], lines 8-12, [70], lines 5-10, lines 20-22, [80], lines 1-4, [81], lines 1-4, [96], lines 1-7), and to adjust a traffic-to-power (T/P) ratio for each of one or more additional reverse-link channels (paragraph [52], lines 1-4, [70], lines 5-10, lines 20-22, [80], lines 1-4, [81], lines 1-4, [072], lines 1-17, [96], lines 1-7).

Regarding claim 30, Damnjanovic discloses a base station operable to communicate

with a mobile station via a wireless communication channel

(Figures 1-11, paragraph [3], lines 1-14, [18] through [22], [29], lines 1-9, [32], lines 1-10, [41], lines 1-12, [72], lines 1-17, in a wireless system the base station is being linked with the mobile station via communication channels);

wherein the base station comprises: a processing subsystem (Figures 1, 3, and 4, paragraph [18], [20], [21], [22], [29], lines 1-14, [40], lines 1-18, the base station controller 202 (processing subsystem));

and a transceiver subsystem coupled to the processing subsystem (Figure 4, paragraph [18], [20], [21], [22], [29], lines 1-14, [40], lines 1-18, the base station transceiver subsystem (204, and the transceiver/antenna) connected to the base processing subsystem (station controller 202));

wherein the transceiver subsystem is configured to receive signals on a first set of reverse-link channels

(paragraph [40], lines 1-18, [44], lines 1-3, [70], lines 5-10, lines 20-22, page 14, left column lines 3-5),

a pilot channel and one or more additional reverse-link channels (paragraph [40], lines 1-18, [70], lines 5-10, lines 20-22, [072], lines 1-17, [79], lines 1-15, [97], lines 1-5); and wherein the base station is configured to adjust power levels for the first set of reverse-link channels and a power level for the pilot channel (paragraph [15], lines 8-12, [70], lines 5-10, lines 20-22, [80], lines 1-4, [81], lines 1-4, [96], lines 1-7), and to separately adjust a traffic-to-power (T/P) ratio for each of the one or more additional reverse-link channels (paragraph [52], lines 1-4, [70], lines 5-10, lines 20-22,

1-18, [086], lines 1-24).

[80], lines 1-4, [81], lines 1-4, [072], lines 1-17, [96], lines 1-7).

Regarding claim 2, Damnjanovic teaches all the limitations of claim 1, and further,
Damnjanovic teaches maintaining ratios of the power levels of the first set of channels
and the pilot channel while adjusting the power levels of the first set of channels and the
pilot channel (paragraph [52], lines 1-4, [70], lines 5-10, lines 20-22, [80], lines 1-4,
[81], lines 1-4, [72], lines 1-17, [96], lines 1-7)

Regarding claims 3 and 18, Damnjanovic teaches all the limitations of claims 1, 16,

and further, Damnjanovic teaches wherein the first set of channels comprises a single channel wherein adjusting the power levels of the first set of channels and the corresponding pilot channel comprises determining whether data received on the single channel contains errors (see for example, Figures 1 and 3, paragraph [003], lines 1-14, [005], lines 1-8, [036], lines 1-15, [040], lines 1-18, [051], lines 1-7, [072], lines 1-17, [079], lines 1-15, [097], lines 1-5), and if the data received on the single channel contains errors, incrementing the power levels of the single channel and the corresponding pilot channel, and if the data received on the single channel does not contain errors, decrementing the power levels of the single channel and the corresponding pilot channel (see for example, paragraph [007], lines 1-23, [017], lines 1-25, [045], lines 1-16, [048], lines 1-7, [049], lines 1-13, [050], lines 1-19, [078], lines 1-13, [080], lines 1-19, [081], lines 1-14, [082], lines 1-20, [084], lines

Regarding claims 4 and 19, Damnjanovic teaches all the limitations of claims 3, 18, and further, Damnjanovic teaches wherein determining whether the data received on the single channel contains errors is performed by a base station (see for example, Figures 1 and 3, paragraph [003], lines 1-14, [040], lines 1-18, [072], lines 1-17, [079], lines 1-15, [097], lines 1-5, the base station transceiver subsystem (204) connected to the antenna receiving reverse-link channel signals), wherein the method further comprises the base station sending a message to ā mobile station to increment or decrement the power levels of the single channel and the corresponding pilot channel (see for example, paragraph [007], lines 1-23, [017], lines 1-25, [045], lines 1-16, [048], lines 1-7, [049], lines 1-13, [050], lines 1-19, [078], lines 1-13, [080], lines 1-19, [081], lines 1-14, [082], lines 1-20, [084], lines 1-18, [086], lines 1-24).

Regarding claims 5 and 20, Damnjanovic teaches all the limitations of claims 4, 19, and further, Damnjanovic teaches wherein the mobile station is configured to increment or decrement the power levels of the single reverse-link channel and the pilot channel in accordance with the mobile station in response to the message (see for example, paragraph [007], lines 1-23, [017], lines 1-25, [045], lines 1-16, [048], lines 1-7, [049], lines 1-13, [050], lines 1-19, [078], lines 1-13, [080], lines 1-19, [081], lines 1-14, [082], lines 1-20, [084], lines 1-18, [086], lines 1-24).

Regarding claim 6, Damnjanovic teaches all the limitations of claim 3, and further,

Damnjanovic teaches wherein the single channel comprises a voice channel (see for example, paragraph [4], lines 17-20, [5], lines 1-7, [41], lines 1-7).

Regarding claims 7 and 21, Damnjanovic teaches all the limitations of claims 1, 16, and further, Damnjanovic teaches wherein the first set of channels comprises multiple channels (see for example, Figures 1-11, paragraph [003], lines 1-14, [040], lines 1-18, [072], lines 1-17, [079], lines 1-15, [097], lines 1-5), wherein adjusting the power levels of the first set of channels (see for example, Figures 1 and 3, paragraph [003], lines 1-14, [040], lines 1-18, [072], lines 1-17, [079], lines 1-15, [097], lines 1-5) and the corresponding pilot channel comprises determining for each channel in the first set whether data received on the single channel contains errors (see for example, Figures 1 and 3, paragraph [003], lines 1-14, [040], lines 1-18, [005], lines 1-8, [036], lines 1-15, [040], lines 1-18, [051], lines 1-7, [072], lines 1-17, [079], lines 1-15, [097], lines 1-5) and determining a composite adjustment of the power levels of the first set of channels and the corresponding pilot channel based on errors received on the multiple channels (see for example, Figures 1 and 3, paragraph [003], lines 1-14, [040], lines 1-18, [005], lines 1-8, [036], lines 1-15, [040], lines 1-18, [051], lines 1-7, [072], lines 1-17, [079], lines 1-15, [097], lines 1-5).

Regarding claims 8 and 22, Damnjanovic teaches all the limitations of claims 7, 21, and further, Damnjanovic teaches wherein determining the composite adjustment of the power levels of the first set of channels (see for example, Figures 1 and 3, paragraph

[003], lines 1-14, [040], lines 1-18, [052], lines 1-14, [055], lines 1-21, [072], lines 1-17, [079], lines 1-15, [097], lines 1-5) and the corresponding pilot channel comprises: for each channel in the first set, determining whether data received on the channel contains errors (see for example, Figures 1 and 3, paragraph [003], lines 1-14, [040], lines 1-18, [005], lines 1-8, [036], lines 1-15, [040], lines 1-18, [051], lines 1-7, [072], lines 1-17, [079], lines 1-15, [097], lines 1-5), if the data received on the channel contains errors, determining a corresponding incremental power level adjustment, and if the data received on the single channel does not contains errors (see for example, Figures 1 and 3. paragraph [003], lines 1-14, [040], lines 1-18, [005], lines 1-8, [036], lines 1-15, [040], lines 1-18, [051], lines 1-7, [072], lines 1-17, [079], lines 1-15, [097], lines 1-5), determining a corresponding decremental power level adjustment; and computing the composite adjustment as a function of the incremental and decremental power level adjustments for the channels in the first set (see for example, Figures 1 and 3, paragraph [003], lines 1-14, [040], lines 1-18, [005], lines 1-8, [036], lines 1-15, [040], lines 1-18, [051], lines 1-7, [072], lines 1-17, [079], lines 1-15, [097], lines 1-5).

Regarding claim 9, Damnjanovic teaches all the limitations of claim 8, and further,

Damnjanovic teaches wherein the base station is configured to cause the power levels of
the single reverse-link channel (see for example, paragraph [017], lines 1-25, [040],
lines 1-18, [005], lines 1-8, [036], lines 1-15, [040], lines 1-18, [051], lines 1-7, [072],
lines 1-17, [079], lines 1-15, [088], lines 1-18, [096], lines 1-16, [097], lines 1-5) and the
pilot channel to be incremented or decremented by sending corresponding messages to

the mobile station (see for example, paragraph [017], lines 1-25, [040], lines 1-18, [005], lines 1-8, [036], lines 1-15, [040], lines 1-18, [051], lines 1-7, [072], lines 1-17, [079], lines 1-15, [088], lines 1-18, [096], lines 1-16, [097], lines 1-5).

Regarding claims 10 and 24, Damnjanovic teaches all the limitations of claims 8, 22, and further, Damnjanovic teaches wherein the function of the incremental and decremental power level adjustments for the channels in the first set comprises adding the maximum incremental power level adjustment to the minimum decremental power level adjustment (see for example, paragraph [017], lines 1-25, [040], lines 1-18, [005], lines 1-8, [036], lines 1-15, [040], lines 1-18, [051], lines 1-7, [072], lines 1-17, [079], lines 1-15, [088], lines 1-18, [096], lines 1-16, [097], lines 1-5).

Regarding claims 11 and 25, Damnjanovic teaches all the limitations of claims 8, 22, and further, Damnjanovic teaches wherein the function of the incremental and decremental power level adjustments for the channels in the first set comprises adding the minimum incremental power level adjustment to the maximum decremental power level adjustment wherein the function of the incremental (see for example, paragraph [017], lines 1-25, [040], lines 1-18, [005], lines 1-8, [036], lines 1-15, [040], lines 1-18, [051], lines 1-7, [072], lines 1-17, [079], lines 1-15, [088], lines 1-18, [096], lines 1-16, [097], lines 1-5). and decremental power level adjustments for the channels in the first set comprises adding the minimum incremental power level adjustment to the maximum decremental power level adjustment (see for example, paragraph [017], lines 1-25,

[040], lines 1-18, [005], lines 1-8, [036], lines 1-15, [040], lines 1-18, [051], lines 1-7, [072], lines 1-17, [079], lines 1-15, [088], lines 1-18, [096], lines 1-16, [097], lines 1-5).

Regarding claims 12 and 26, Damnjanovic teaches all the limitations of claims 8, 22, and further, Damnjanovic teaches wherein the function of the incremental and decremental power level adjustments is constrained to a limited number of quantized levels (see for example, paragraph [007], lines 1-23, [017], lines 1-25, [045], lines 1-16, [048], lines 1-7, [049], lines 1-13, [050], lines 1-19, [078], lines 1-13, [080], lines 1-19, [081], lines 1-14, [082], lines 1-20, [084], lines 1-18, [086], lines 1-24).

Regarding claim 13, Damnjanovic teaches all the limitations of claim 1, and further, Damnjanovic teaches wherein adjusting the T/P ratios for each of the one or more remaining channels comprises determining whether data received on the channel contains errors (see for example, Figures 1 and 3, paragraph [003], lines 1-14, [040], lines 1-18, [005], lines 1-8, [036], lines 1-15, [040], lines 1-18, [051], lines 1-7, [072], lines 1-17, [079], lines 1-15, [097), and if the data received on the channel contains errors incrementing the T/P ratio for the channel, and if the data received on the channel does not contain errors, decrementing the T/P ratio for the channel (see for example, Figures 1 and 3, paragraph [003], lines 1-14, [040], lines 1-18, [005], lines 1-8, [036], lines 1-15, [040], lines 1-18, [051], lines 1-7, [072], lines 1-17, [079], lines 1-15, [097], lines 1-5).

Regarding claim 14, Damnjanovic teaches all the limitations of claim 13, and further,

Art Unit: 2618.

Damnjanovic teaches wherein determining whether the data received on the channel contains errors (see for example, Figures 1 and 3, paragraph [003], lines 1-14, [007], lines 1-23, [017], lines 1-25, [040], lines 1-18, [045], lines 1-16, [048], [049], [050], [072], lines 1-17, [075], [078], [079], lines 1-15, [080], [081], [082], [086], and [084], [097], lines 1-5) and incrementing or decrementing the T/P ratio for the channel is performed by a base station, wherein the method further comprises the base station sending a message to a mobile station indicating the T/P ratio for the channel (see for example, Figures 1 and 3, paragraph [003], lines 1-14, [007], lines 1-23, [017], lines 1-25, [040], lines 1-18, [045], lines 1-16, [048], [049], [050], [072], lines 1-17, [075], [078], [079], lines 1-15, [080], [081], [082], [086], and [084], [097], lines 1-5).

Regarding claim 15, Damnjanovic teaches all the limitations of claim 13, and further,
Damnjanovic teaches the mobile station receiving the message and selecting transmission
characteristics for the channel in accordance with the T/P ratio for the channel (see for
example, Figures 1 and 3, paragraph [003], lines 1-14, [007], lines 1-23, [017], lines 125, [040], lines 1-18, [045], lines 1-16, [048], [049], [050], [072], lines 1-17, [075],
[078], [079], lines 1-15, [080], [081], [082], [086], and [084], [097], lines 1-5).

Regarding claim 17, Damnjanovic teaches all the limitations of claim 16, and further,
Damnjanovic teaches wherein the base station is configured to adjust the power levels for
the first set of reverse-link channels and the pilot channel to maintain ratios of the power
levels for the first set of reverse-link channels to the power level of the pilot channel

Application/Control Number: 10/628,950 Page 14

Art Unit: 2618

(Figures 1 and 3, paragraph [3], lines 1-14, [40], lines 1-18, [52], lines 1-14, [55], lines 1-21, [72], lines 1-17, [79], lines 1-15, [97], lines 1-5).

Regarding claim 23, Damnjanovic teaches all the limitations of claim 22, and further, Damnjanovic teaches wherein the function of the incremental and decremental power level adjustments for the channels in the first set comprises adding the maximum incremental power level adjustment and all of the decremental power level adjustments.

Regarding claim 27, Damnjanovic teaches all the limitations of claim 16, and further, Damnjanovic teaches wherein the base station is configured to determine whether data received on each additional reverse-link channel contains errors, and if the data received on the additional reverse-link channel contains errors, incrementing the T/P ratio of the additional reverse-link channel, and if the data received on the additional reverse-link channel does not, decrementing the T/P ratio of the additional reverse-link channel

Regarding claim 28, Damnjanovic teaches all the limitations of claim 27, and further, Damnjanovic teaches wherein the base station is configured to send messages indicating the incremented or decremented T/P ratio of the additional reverse-link channel to the mobile station (see for example, Figures 1 and 3, paragraph [003], lines 1-14, [007], lines 1-23, [017], lines 1-25, [040], lines 1-18, [045], lines 1-16, [048], [049], [050], [072], lines 1-17, [075], [078], [079], lines 1-15, [080], [081], [082], [086], and [084], [097], lines 1-5).

Application/Control Number: 10/628,950 Page 15

Art Unit: 2618

Regarding claim 29, Damnjanovic teaches all the limitations of claim 28, and further, Damnjanovic teaches wherein the mobile station is configured to set a power level of the additional reverse-link channel in accordance with the messages (see for example, Figures 1 and 3, paragraph [003], lines 1-14, [007], lines 1-23, [017], lines 1-25, [040], lines 1-18, [045], lines 1-16, [048], [049], [050], [072], lines 1-17, [075], [078], [079], lines 1-15, [080], [081], [082], [086], and [084], [097], lines 1-5).

Regarding claim 31, Damnjanovic teaches all the limitations of claim 30, and further, Damnjanovic teaches wherein the base station is configured to adjust the power levels for the single reverse-link channel and the pilot channel to maintain a ratio of the power level for the single reverse-link channel to the power level of the pilot channel (see for example, Figures 1 and 3, paragraph [003], lines 1-14, [040], lines 1-18, [052], lines 1-14, [055], lines 1-21, [072], lines 1-17, [079], lines 1-15, [097], lines 1-5, the base station adjust power level for the reverse-link and pilot channel)

Regarding claim 32, Damnjanovic teaches all the limitations of claim 30, and further, Damnjanovic teaches wherein the base station is configured to determine whether data received on the single reverse-link channel contains errors (see for example, Figures 1 and 3, paragraph [003], lines 1-14, [005], lines 1-8, [036], lines 1-15, [040], lines 1-18, [051], lines 1-7, [072], lines 1-17, [079], lines 1-15, [097], lines 1-5), and if the data received on the single reverse-link channel contains errors, to cause the power levels of

the single reverse-link channel and the pilot channel to be incremented, and if the data received on the single reverse-link channel does not contain errors, to cause the power levels of the single reverse-link channel and the pilot channel to be decremented (see for example, paragraph [007], lines 1-23, [017], lines 1-25, [045], lines 1-16, [048], lines 1-7, [049], lines 1-13, [050], lines 1-19, [078], lines 1-13, [080], lines 1-19, [081], lines 1-14, [082], lines 1-20, [084], lines 1-18, [086], lines 1-24).

Regarding claim 33, Damnjanovic teaches all the limitations of claim 30, and further,
Damnjanovic teaches wherein the base station is configured to cause the power levels of
the single reverse-link channel (see for example, Figures 1 and 3, paragraph [003], lines
1-14, [040], lines 1-18, [072], lines 1-17, [079], lines 1-15, [097], lines 1-5, the base
station transceiver subsystem (204) connected to the antenna receiving reverse-link
channel signals) and the pilot channel to be incremented or decremented by sending
corresponding messages to a mobile station which is configured to increment or
decrement the power levels of the single reverse-link channel and the pilot channel in
accordance with the messages (see for example, paragraph [007], lines 1-23, [017], lines
1-25, [045], lines 1-16, [048], lines 1-7, [049], lines 1-13, [050], lines 1-19, [078], lines
1-13, [080], lines 1-19, [081], lines 1-14, [082], lines 1-20, [084], lines 1-18, [086], lines
1-24).

Regarding claim 34, Damnjanovic teaches all the limitations of claim 30, and further,

Damnjanovic teaches wherein the first set of channels comprises multiple channels (see

for example, Figures 1-11, paragraph [003], lines 1-14, [040], lines 1-18, [072], lines 1-17, [079], lines 1-15, [097], lines 1-5), wherein the base station is configured to adjust the power levels of the first set of channels (see for example, Figures 1 and 3, paragraph [003], lines 1-14, [040], lines 1-18, [072], lines 1-17, [079], lines 1-15, [097], lines 1-5) and the corresponding pilot channel by determining for each channel in the first set whether data received on the single channel contains errors (see for example, Figures 1 and 3, paragraph [003], lines 1-14, [040], lines 1-18, [005], lines 1-8, [036], lines 1-15, [040], lines 1-18, [051], lines 1-7, [072], lines 1-17, [079], lines 1-15, [097], lines 1-5) and determining a composite adjustment of the power levels of the first set of channels and the corresponding pilot channel based on errors received on the multiple channels (see for example, Figures 1 and 3, paragraph [003], lines 1-14, [040], lines 1-18, [005], lines 1-8, [036], lines 1-15, [040], lines 1-18, [051], lines 1-7, [072], lines 1-17, [079], lines 1-15, [097], lines 1-5).

Page 17

Regarding claim 35, Damnjanovic teaches all the limitations of claim 34, and further, Damnjanovic teaches wherein the base station is configured to determine the composite adjustment of the power levels of the first set of channels and the corresponding pilot channel by: for each channel in the first set (see for example, Figures 1 and 3, paragraph [003], lines 1-14, [040], lines 1-18, [052], lines 1-14, [055], lines 1-21, [072], lines 1-17, [079], lines 1-15, [097], lines 1-5), determining whether data received on the channel contains errors (see for example, Figures 1 and 3, paragraph [003], lines 1-14, [040], lines 1-18, [005], lines 1-8, [036], lines 1-15, [040], lines 1-18, [051], lines 1-7, [072],

Application/Control Number: 10/628,950

Art Unit: 2618

lines 1-17, [079], lines 1-15, [097], lines 1-5), if the data received on the channel contains errors, determining a corresponding incremental power level adjustment, and if the data received on the single channel does not contain errors (see for example, Figures 1 and 3, paragraph [003], lines 1-14, [040], lines 1-18, [005], lines 1-8, [036], lines 1-15, [040], lines 1-18, [051], lines 1-7, [072], lines 1-17, [079], lines 1-15, [097], lines 1-5), determining a corresponding decremental power level adjustment; and computing the composite adjustment as a function of the incremental and decremental power level adjustments for the channels in the first set (see for example, Figures 1 and 3, paragraph [003], lines 1-14, [040], lines 1-18, [005], lines 1-8, [036], lines 1-15, [040], lines 1-18, [051], lines 1-7, [072], lines 1-17, [079], lines 1-15, [097], lines 1-5).

Regarding claim 36, Damnjanovic teaches all the limitations of claim 35, and further, Damnjanovic teaches wherein the function of the incremental and decremental power level adjustments for the channels in the first set comprises adding the maximum incremental power level adjustment and all of the decremental power level adjustments (see for example, paragraph [017], lines 1-25, [040], lines 1-18, [005], lines 1-8, [036], lines 1-15, [040], lines 1-18, [051], lines 1-7, [072], lines 1-17, [079], lines 1-15, [088], lines 1-18, [096], lines 1-16, [097], lines 1-5).

Regarding claim 37, Damnjanovic teaches all the limitations of claim 35, and further, Damnjanovic teaches wherein the function of the incremental and decremental power level adjustments for the channels in the first set comprises adding the maximum

incremental power level adjustment to the minimum decremental power level adjustment (see for example, paragraph [017], lines 1-25, [040], lines 1-18, [005], lines 1-8, [036], lines 1-15, [040], lines 1-18, [051], lines 1-7, [072], lines 1-17, [079], lines 1-15, [088], lines 1-18, [096], lines 1-16, [097], lines 1-5).

Page 19

Regarding claim 38, Damnjanovic teaches all the limitations of claim 35, and further, Damnjanovic teaches wherein the function of the incremental and decremental power level adjustments for the channels in the first set comprises adding the minimum incremental power level adjustment to the maximum decremental power level adjustment (see for example, paragraph [017], lines 1-25, [040], lines 1-18, [005], lines 1-8, [036], lines 1-15, [040], lines 1-18, [051], lines 1-7, [072], lines 1-17, [079], lines 1-15, [088], lines 1-18, [096], lines 1-16, [097], lines 1-5).

Regarding claim 39, Damnjanovic teaches all the limitations of claim 35, and further,
Damnjanovic teaches wherein the function of the incremental and decremental power
level adjustments is constrained to a limited number of quantized levels (see for example,
paragraph [007], lines 1-23, [017], lines 1-25, [045], lines 1-16, [048], lines 1-7, [049],
lines 1-13, [050], lines 1-19, [078], lines 1-13, [080], lines 1-19, [081], lines 1-14,
[082], lines 1-20, [084], lines 1-18, [086], lines 1-24).

Regarding claim 40, Damnjanovic teaches all the limitations of claim 30, and further,

Damnjanovic teaches wherein the base station is configured to determine whether data

Page 20

Art Unit: 2618

received on each additional reverse-link channel contains errors (see for example, Figures 1 and 3, paragraph [003], lines 1-14, [040], lines 1-18, [005], lines 1-8, [036], lines 1-15, [040], lines 1-18, [051], lines 1-7, [072], lines 1-17, [079], lines 1-15, [097], lines 1-5, the base station transceiver subsystem (204) connected to the antenna receiving reverse-link channel signals), and if the data received on the additional reverse-link channel contains errors, incrementing the T/P ratio of the additional reverse-link channel and (see for example, Figures 1 and 3, paragraph [003], lines 1-14, [040], lines 1-18, [005], lines 1-8, [036], lines 1-15, [040], lines 1-18, [051], lines 1-7, [072], lines 1-17, [079], lines 1-15, [097], lines 1-5, the base station transceiver subsystem (204) connected to the antenna receiving reverse-link channel signals), if the data received on the additional reverse-link channel does not contain errors, decrementing the T/P ratio of the additional reverse-link channel (see for example, Figures 1 and 3, paragraph [003], lines 1-14, [040], lines 1-18, [005], lines 1-8, [036], lines 1-15, [040], lines 1-18, [051], lines 1-7, [072], lines 1-17, [079], lines 1-15, [097], lines 1-5, the base station transceiver subsystem (204) connected to the antenna receiving reverse-link channel signals).

Regarding claim 41, Damnjanovic teaches all the limitations of claim 30, and further, Damnjanovic teaches wherein the base station is configured to send messages indicating the incremented or decremented T/P ratio of the additional reverse-link channel to a mobile station which is configured to set a power level of the additional reverse-link channel in accordance with the messages (see for example, Figures 1 and 3, paragraph

Application/Control Number: 10/628,950

Art Unit: 2618

Page 21

[003], lines 1-14, [007], lines 1-23, [017], lines 1-25, [040], lines 1-18, [045], lines 1-16, [048], [049], [050], [072], lines 1-17, [075], [078], [079], lines 1-15, [080], [081], [082], [086], and [084], [097], lines 1-5).

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shaima Q. Aminzay whose telephone number is 571-272-7874. The examiner can normally be reached on 7:00 AM -4:00 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mathew D. Anderson can be reached on 571-272-4177. The fax number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MATTHEW ANDERSON
SUPERVISORY PATENT EXAMINER

Page 22

Shaima O. Aminzay

(Examiner)

February 8, 2007